

## **March 2009**

This distribution contains change pages for patch MD\*1.0\*19 of the Clinical Procedures 1.0 Hemodialysis Module User Manual.

Patch MD\*1.0\*19 pages:

### Replace Pages:

Title Page  
Revision History  
Table of Contents  
4-3 to 4-6  
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### With Pages:

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# **CLINICAL PROCEDURES V. 1.0 HEMODIALYSIS MODULE**

## **USER MANUAL**

Patch MD\*1.0\*6

May 2008

Revised March 2009

for MD\*1.0\*19

Department of Veterans Affairs  
Health Systems Design and Development  
Provider Systems



## Revision History

Description	Date	Author
Patch MD*1.0*6 released.	May 2008	REDACTED
<sup>1</sup> Patch MD*1.0*19 released. Added notes regarding Recent Postings & Infectious Diseases (Chapter 4). Added list of lab tests that display on the Rx and Lab tab (Chapter 5).	March 2009	REDACTED

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<sup>1</sup> MD\*1.0\*19 March 2009 Patch 19 release added.



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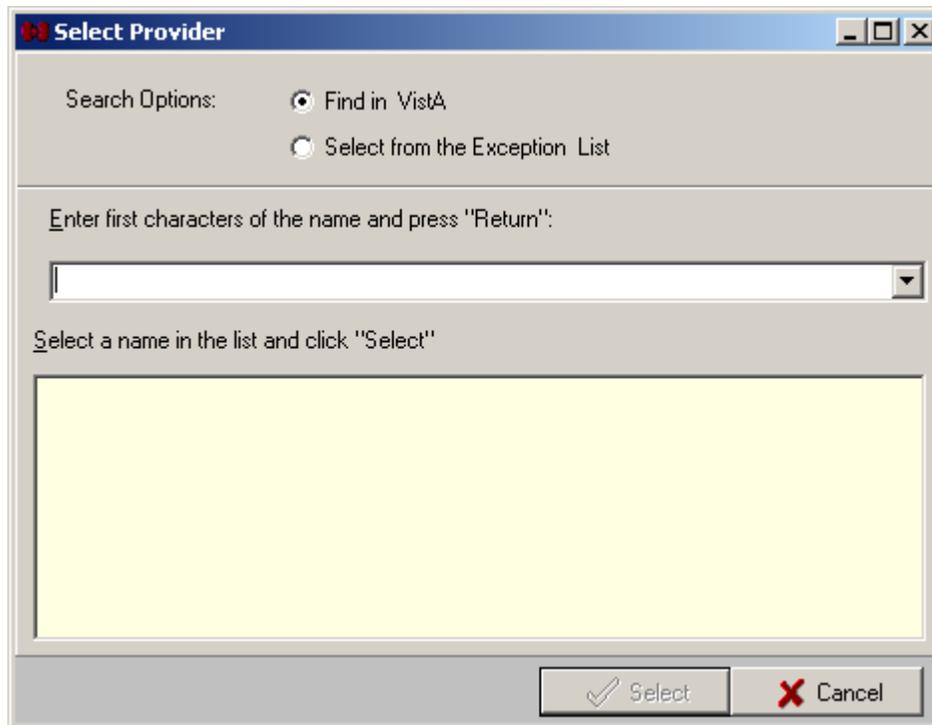


Figure 4-3

- Select the **Find in VistA** radio button.
- Type the first letters of the provider's last name, then press <Enter> to populate the list.
- Click the provider's name from the list, then click **Select**. The Select Provider window closes, and the selected provider's name displays in the Attending Nephrologist field.

#### Method 2: Select from the Exception List (Custom Data List)

Use method 2 only if the desired provider's name is not obtainable from VistA.

- An ADMIN user must first add the desired provider's name to the Attending Nephrologists custom data list. (See –Customizing Drop-down List Items.))
- At the Cover tab, unmark the **Read Only** checkbox.
- Click the **dropdown arrow** to the right of the Attending Nephrologist field. The Select Provider window displays (Figure 4-3).
- Select the **Select from the Exception List** radio button. The large field displays the names added to the Attending Nephrologists custom data list.
- Click one of the **names** (besides -- Other -)) in the list, then click **Select**. The Select Provider window closes, and the selected provider's name displays in the Attending Nephrologist field.

### Method 3: Add a Name On the Fly

Use method 3 only if the desired provider's name is not obtainable from VistA and an ADMIN user is not available to add the provider's name to the site's custom data list..

- Unmark the **Read Only** checkbox.
- Click the **dropdown arrow** to the right of the Attending Nephrologist field. The Select Provider window displays (Figure 4-3).
- Select the **Select from the Exception List** radio button.
- Click -- **Other** -|| from the name list, then click **Select**. The Select Provider popup displays (Figure 4-4)..

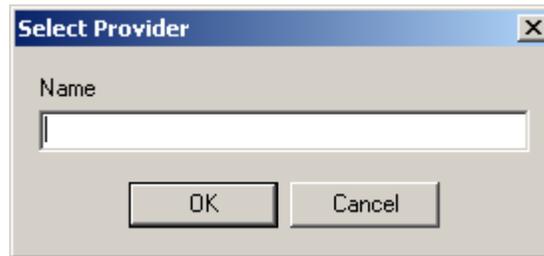


Figure 4-4

- Type the provider's name in the **Name** field, then click **OK**. The Select Provider popup closes, and the provider's name displays in the Attending Nephrologist field.

**Visit Schedule:** Check the checkboxes for the days that represent the patient's treatment schedule, such as Monday, Wednesday, Friday.

**Transplant Status:** Indicate if this patient is a candidate for transplant or not by selecting the appropriate radio button to the right of the **Transplant Status** label. If you select **Candidate**, indicate if a workup is in progress or if the patient has been referred to a transplant center.

## Recent Postings & Infectious Diseases

Allergies, Clinical Warnings, Advanced Directives, and Infectious Diseases are listed in the Recent Postings & Infectious Diseases area (Figure 4-1).

### <sup>1</sup>Notes:

**Clinical Warnings:** Only the date and time display, not the full text of the clinical warnings.

**Advanced Directives:** The display shows Yes or No to indicate whether advanced directives exist.

**Infectious Diseases:** This area does not provide data for the following three diseases: Hepatitis B Surface Antigen, Hepatitis B Surface Antibody, and Hepatitis C Surface Antibody. Check the Lab Results area on the Rx and Lab tab for data pertaining to these three diseases.

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<sup>1</sup> MD\*1.0\*19 March 2009 Added notes regarding Recent Postings & Infectious Diseases

## Alternate Display of Recent Postings & Infectious Diseases

An alternate display of Recent Postings & Infectious Diseases is available. Figure 4-1 shows what the Recent Postings & Infectious Diseases area looks like if the —Show Infectious Diseases information as Tree parameter is set to FALSE. If you set the —Show Infectious Diseases information as Tree parameter to TRUE, it displays as shown in Figure 4-5.

When this parameter is set to TRUE, click the plus sign (+) next to the infectious disease to view data for that disease.

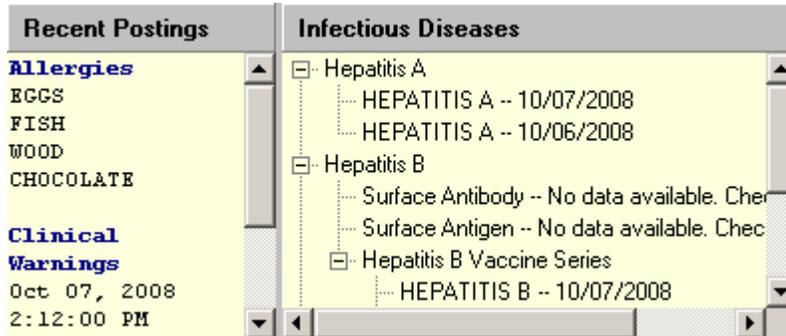


Figure 4-5

## Treatment History (Vascular Access Monitoring)

You can view the latest information on vascular access monitoring in the **Treatment History** section of the screen. This information is based on vascular access monitoring information entered into this Hemodialysis application, so if you are using this application for the first time, no vascular access monitoring information will display.

To change the maximum number of past treatments that will display in the list, change the **Study Load Limit** value at the Options screen. (See —Configuring System Preferences.))

Treatment History						
Check In Date	IA BF	APV @ 0	VP @ 0	VP @ 200	Study #	Comments
09/13/2005					2797	
03/06/2006	400	250	40	80	2946	
04/13/2006					3038	
04/13/2006					3039	
05/10/2006					3062	

Figure 4-6

## Past Treatment Data

You can view data for a past treatment by selecting its row in the **Treatment History** area. Data for the selected treatment displays in the view below the Treatment History area (Figure 4-7).

Information on past treatments is based on treatment information entered into this Hemodialysis application, so if you are using this application for the first time, no past treatment data displays.

The information listed below can appear in this area (each on its own tab), depending on what has been entered for the particular study. If a tab contains a TIU note, the TIU note number displays on the tab. Click a tab to view the record.

- **Summary:** This section displays Pre- and Post- vitals, treatment duration, and dialysis totals and averages (Figure 4-7).
- **TIU note** (yellow icon): The yellow icon indicates a comment saved as a separate TIU note.
- **TIU note** (white icon): The white icon indicates a Falls Risk Evaluation that is saved as a separate TIU note.
- **Results** (green icon): The Results tab, which displays the Summary Report, will only display for studies that have already been submitted.

Selected 3640 01/14/2008 <span style="float: right;">Print</span>				
Summary <span style="margin-left: 10px;">TIU 5513</span> <span style="margin-left: 10px;">TIU 5515</span> <span style="margin-left: 10px;">Results (TIU 5523)</span>				
Vital	Pre-	Post-		Duration
BP Seated:	123/23	123/23	mm Hg	Started: 08:00
BP Standing:	123/23	123/23	mm Hg	Finished: 12:00
Pulse Seated:	34	23	BPM	Duration (Instrument):
Pulse Standing:	23	22	BPM	Duration (Adjusted): 04:00
Temperature:	98	98.1	F	
Weight:	74	70	Kg	
Goal-Weight:		70	Kg	
Totals and Averages				
Total UF:	7		Mean Dialysis Temp:	7
Total LP:	7		Mean Conductivity:	7
Mean UFR:	7		Total KT:	7
Mean TMP:	7		Total KT/V:	7
Average BFR:	7		URR:	7
Average DFR:	7		Estimated Urea Vol:	7

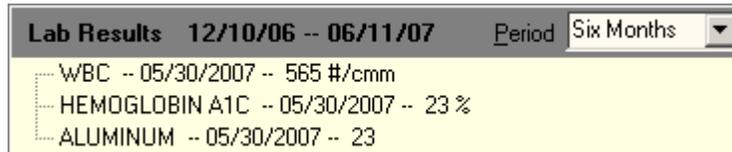
Figure 4-7



**Figure 5-3**

**Note:** The shorter the selected time period, the faster the display populates with data.

The selected date range displays in the toolbar, to the left of the Period drop-down list, and the lab data displays just below (Figure 5-4).



**Figure 5-4**

**Note:** When you leave the Rx and Lab tab, the lab results are cleared. To see the results again, reselect a time period from the Period drop-down list.

<sup>1</sup>Local tests mapped to the following National Lab Tests will display in this area:

National Lab Code	Lab Test
84520	BUN (Blood Urea Nitrogen)
82565	CREATININE
84295	SODIUM
84140	POTASSIUM
82435	CHLORIDE
82830	CARBON DIOXIDE
82310	CALCIUM
84100	PHOSPHORUS
82040	ALBUMIN
84455	AST (Aspartate Aminotransferase)
84465	ALT (Alanine Aminotransferase)
84075	ALKALINE PHOSPHATASE
82250	BILIRUBIN
83020	HEMOGLOBIN

<sup>1</sup>MD\*1.0\*19 March 2009 Added list of Lab Results that display on the Rx and Lab tab.

Entering Dialysis Prescription and Labs

85055	HEMATOCRIT
85569	WBC (White Blood Count)
86806	PLATELETS
83057	HEMOGLOBIN A1C
82466	CHOLESTEROL
84480	TRIGLYCERIDES
82370	FERRITIN
83540	IRON
82060	TRANSFERRIN
84012	PARATHYROID HORMONE
81512	ALUMINUM
89068	HEPATITIS B SURFACE ANTIGEN
89065	HEPATITIS B SURFACE ANTIBODY
89067	HEPATITIS B SURFACE ANTIBODY
82013	HEPATITIS B SURFACE ANTIBODY
89095	HEPATITIS B SURFACE ANTIBODY
89127	HEPATITIS B SURFACE ANTIBODY
89128	HEPATITIS B SURFACE ANTIBODY
87398	HEPATITIS B SURFACE ANTIBODY
89699	HEPATITIS B SURFACE ANTIBODY
89070	HEPATITIS C ANTIBODY
87261	FLU

## Comments

Add notes in the **Comments** section at the bottom of the screen. Comments can be locked so that no one (including the creator of the note) can modify them.

To add a Comment, do the following:

1. Click the **New** button on the Comments toolbar. The Comment window displays and cursor focus is in the Text field.
2. Type your comment in the **Text** field, then click **Save**. The note is not yet locked. It may still be edited or deleted.
3. To lock the note, do one of the following:
  - **Click the *Save* button after you have typed your note:** This immediately saves and locks the note. The note becomes a permanent part of this treatment.
  - **Select a different patient or exit Hemodialysis (without clicking Lock):** When you return to the current tab, the comment is locked. You may no longer edit the note, and the note becomes a permanent part of this treatment.

## Comments Business Rules

The following rules govern the way comments work:

1. A new comment is initially UNLOCKED.
2. A comment remains UNLOCKED until one of the following happens:
  - User clicks the Save button
  - User selects another patient

**Note:** Switching between tabs does not change the locked status of a comment.

3. Locking the comment prevents future updates for the comment.
4. A LOCKED comment has a special indicator (padlock icon). 
5. A LOCKED comment CANNOT be unlocked.
6. An UNLOCKED comment can be updated, but only by author of the note.
7. An UNLOCKED comment can be deleted.
8. Comments cannot be invalidated. If you entered a comment in error and then locked it, add an additional comment to describe the situation.

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